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27877 7590 07/28/2006

KENNAMETAL INC.
P.O. BOX 231
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LATROBE, PA 15650

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Larry R. Meenan	(Depositor's name)
<i>[Signature]</i>	(Signature)
September 5, 2006	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,613	10/24/2003	Mark A. Francis	K-2043	8816

TITLE OF INVENTION: HELICAL END MILL TYPE CUTTER CONFIGURED TO COMPENSATE FOR RADIAL RUNOUT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	10/30/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
ADDISU, SARA	3722	407-042000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Larry R. Meenan
07/05/2006 165 SHANE 00000115 502867 10/30/06
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
- 1400.00 DA
300.00 DA

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Kennametal Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Latrobe, PA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 502867 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

[Signature]
Larry R. Meenan

Date September 5, 2006

Typed or printed name

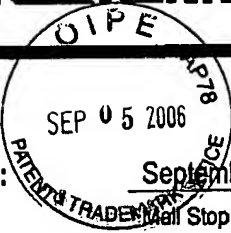
Registration No. 33,423

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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FAX



Date: September 5, 2006 Pages: 1 of 4
To: Mail Stop Issue Fee, Commissioner for Patents,
P. O. Box 1450, Alexandria, VA 22313-1450 From: Larry R. Meenan
Examiner Michael Sara Addisu E-mail: larry.meenan@kennametal.com
Group Art Unit 3722, Confirmation No. 8816 Phone: 724.539.5485
Fax: 571.273.2885 Fax: 724.539.5903
Your File: 10/692,613 Filed October 24, 2003 Our File: K-2043
Re: Payment of Issue Fee
Original Will: ☒ Not Be Sent ☐ Be Sent ☐ With Enclosures ☐ Without Enclosures

Attached are the Fee(s) Transmittal of Payment of Issue Fee (Large Entity); Fee(s) Transmittal PTOL-85 (in duplicate) in Response to the Notice of Allowance and Issue Fee Due mailed July 28, 2006, in re application of Mark A. Francis et al., Serial No. 10/692,613, filed October 24, 2003, for "Helical End Mill Type Cutter Configured to Compensate for Radial Runout" Confirmation No. 8816, Group Art Unit 3722, Examiner Sara Addisu.

Larry R. Meenan, Reg. No. 33,423

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Kennametal Inc. / World Headquarters / 1600 Technology Way / P. O. Box 231 / Latrobe, PA 15650-0231, USA

TRANSMITTAL OF PAYMENT OF ISSUE FEE (Large Entity)

Docket No.

(37 CFR 1.311)

K-2043

Applicant(s): MARK A. FRANCIS et al.

SEP 05 2006

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/692,613	October 24, 2003	Sara Addisu	27877	3722	8816

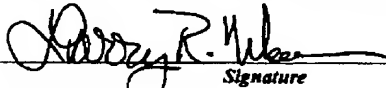
Invention: HELICAL END MILL TYPE CUTTER CONFIGURED TO COMPENSATE FOR RADIAL RUNOUT

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COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith are the following for the above-identified application.

- ☒ Issue Fee Transmittal Form PTOL-85
- ☒ Utility Fee: \$ 1400.00 ☐ Design Fee: ☐ Plant Fee:
- ☒ Publication Fee: \$ 300.00
- ☐ A check in the amount of is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 502867 as described below.
- ☒ Charge the amount of \$1,700.00
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- ☒ Charge any additional fee required.
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Dated: September 5, 2006

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(Date)



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Larry R. Meenan

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